

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number  
**WO 2005/059803 A2**

(51) International Patent Classification<sup>7</sup>: **G06F 19/00**

(21) International Application Number: **PCT/IB2004/052791**

(22) International Filing Date: **13 December 2004 (13.12.2004)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:  
60/529,786 16 December 2003 (16.12.2003) US

(71) Applicant (*for all designated States except US*): **KONINKLIJKE PHILIPS ELECTRONICS, N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).**

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **ALSAFADI, Yasser**

(74) Common Representative: **KONINKLIJKE PHILIPS ELECTRONICS, N.V.; c/o John F. Vodopia P.O. Box 3001, Briarcliff Manor, New York 10510-8001 (US).**

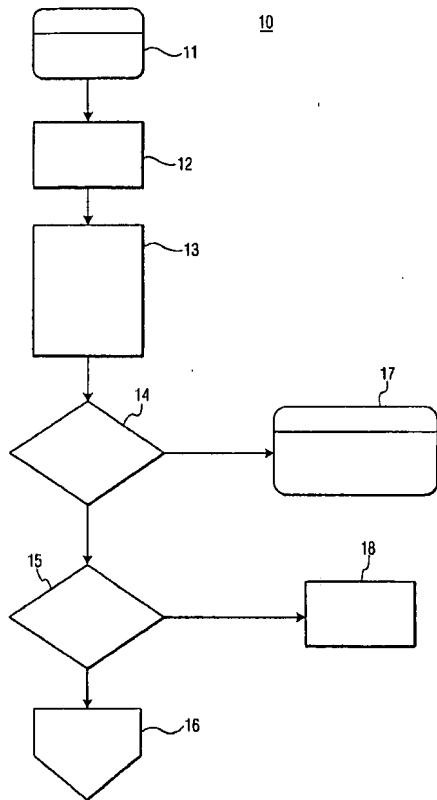
(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

*[Continued on next page]*

(54) Title: CLINICAL DECISION SUPPORT SYSTEM FOR GUIDELINE SELECTION AND KNOWLEDGE/LOCATION INDICATION WITH THE GUIDELINE

**WO 2005/059803 A2**



(57) **Abstract:** A clinical decision support system (30) displays a patient treatment guideline (20) for a given patient in response to a query from a medical practitioner along with an indicator (21) as to what state in the patient treatment guideline (20) the current patient is. According to one aspect of the present invention, an exemplary embodiment of a method (40) for interacting with a medical record of a patient includes: entering a patient identification (43) into a user interface (33) along with a care provider identification; selecting a patient treatment guideline (45) based on the entered information; and displaying the patient treatment guideline (46) on the user interface (33) along with an indicator (21) identifying a current point in the patient treatment guideline (20). An exemplary embodiment of an apparatus (30) for interacting with a medical record of a patient includes storage (32), a user interface (33) and a processor (31). The storage (32) stores one or more patient treatment guidelines (20). The user interface (33) accepts a command from a user identifying a patient and context information and displays a selected patient treatment guideline (20) from among the one or more patient treatment guidelines (20). The processor (31) searches the storage (32) for the selected patient guideline (20) that matches the identified patient and the context information.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA,*
- *SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*

**Published:**

- *without international search report and to be republished upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*